



L3HARRIS™
FAST. FORWARD.

FLEXIBLE RADIO **CONTROL OPTIONS**

For the Falcon III® RF-7850A
Airborne Product Family





ADVANCED TECHNOLOGY SOLUTIONS ENGINEERED FOR AIRBORNE SUCCESS

Built on combat-proven Falcon III® technology, the L3Harris Airborne family of products extends the tactical network to the aerial tier.

Both the RF-7850-MR and RF-7850A-UA can simultaneously send secure voice, high-speed IP-networked data and Full Motion Video. Unmatched in the airborne radio market, these L3Harris airborne solutions provide a level of communications flexibility that suit any aircraft requirement or special mission use cases, all while accommodating unique operator needs.

AIRBORNE CONTROL OPTIONS FOR MISSION-CRITICAL COMMUNICATIONS



IN-COCKPIT RADIO CONTROL UNIT

Compact, versatile control option for aircraft retrofit or designing from the ground up

Certified for cockpit integration and optimized for pilot/copilot use, the In-Cockpit Radio Control Unit gives crew members the ability to control up to eight radio channels at once. Incorporating a full-color, NVIS-compatible graphical LCD screen, it also gives users the benefits of soft keys, simple menus and easy preset loading.

KEY BENEFITS

- > User-friendly, with simplified menus and preset loading
- > Compact and lightweight
- > Multi-channel control with single Ethernet connection



WEB-BASED USER INTERFACE

Intuitive user interface easily customized for avionics displays and edge devices

Standard applications within the Web-Based User Interface provide crew members the ability to monitor and update mission status through access to real-time voice, video and data. They can customize applications to fit their unique needs—including optimizing button availability to achieve the most intuitive user interface with their specific display devices.

This interface is shipped standard with every RF-7850A-MR unit.

KEY BENEFITS

- > Quick integration with existing end-user devices
- > Easily customized to fulfill unique user requirements
- > Intuitive user interface



KEYPAD DISPLAY UNIT (KDU)

Based on Falcon III technology and using the same user interface as L3Harris ground tactical radios

The Keypad Display Unit is ideal for non-flight commanders and crews involved in mission coordination. Users can access radio channels with the push of a button and can quickly transfer mission data via a removable USB.

A single maintenance KDU (six-foot connector with USB) is shipped standard with every RF-7850A-MR unit.

KEY BENEFITS

- > Familiar user interface for L3Harris tactical radio users
- > Large screen for network changes and embedded application use
- > Extension option enables control from the cockpit or passenger area



KEY FEATURES	IN-COCKPIT RADIO CONTROL UNIT	WEB-BASED USER INTERFACE	KEYPAD DISPLAY UNIT (KDU)
	12178-5100-01	RF-7850AP-SW101	12113-1000-3X
RTCA-DO-160G Airworthiness Certified	•		
MIL-STD-810	•		•
Radio Fill (CPA)/Firmware Upgrades	•	•	•
Built-in-Test (BIT)	•	•	•
Zeroize	•	•	•
COMSEC State	•	•	•
Preset/Net Change	•	•	•
Net State	•	•	•
Frequency Display/Change	•	•	•
Power Change	•	•	•
Volume Control	•	•	•
GPS Reporting and Receiving	•	•	•
Voicemail: Send and Receive	•	•	•
SMS	•	•	•
ALERTS	•	•	•
Tactical Chat IP	•	•	•
File Browser		•	•
Soft KDU		•	
Ground Force Tracker		•	
Video Player Application		•	
Custom Applications Support		•	
Radio Configuration	•	•	•

L3HARRIS DELIVERS SUPERIOR NETWORK CONTROL FROM THE TACTICAL EDGE TO THE AERIAL TIER

Our airborne radio control options are engineered for your mission's success—with battle-tested features that flex with changing scenarios and unique user needs.



FAST. FORWARD.

Flexible Radio Control Options For the Falcon III® RF-7850A Airborne Product Family

© 2019 L3Harris Technologies, Inc. | 09/2019 BR2264

Non-Export Controlled Information

L3Harris Technologies is an agile global aerospace and defense technology innovator, delivering end-to-end solutions that meet customers' mission-critical needs. The company provides advanced defense and commercial technologies across air, land, sea, space and cyber domains.

